

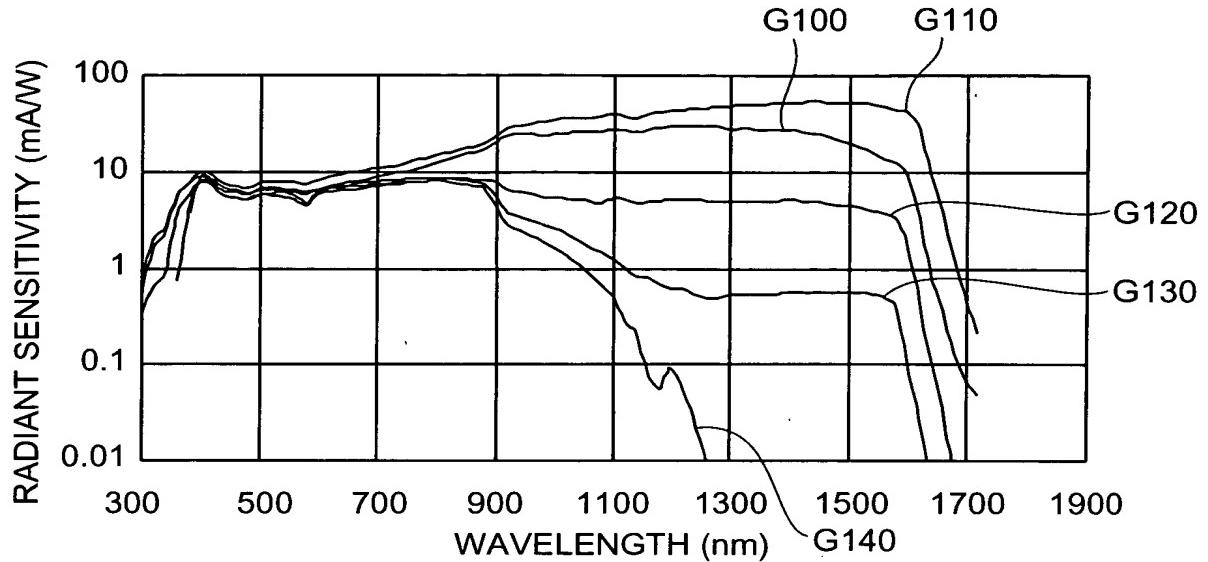
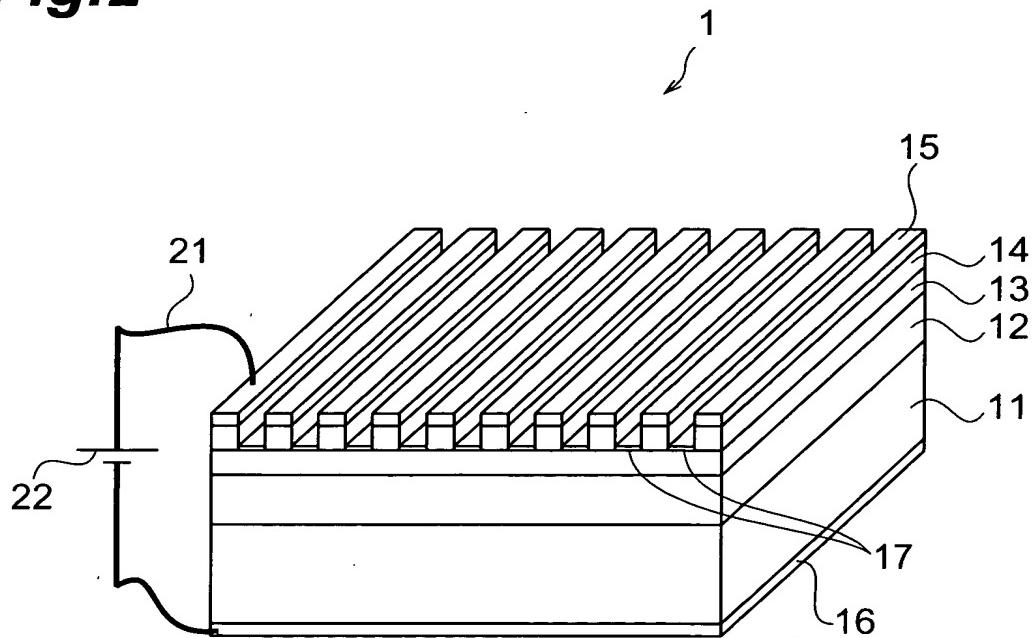
Fig.1**Fig.2**

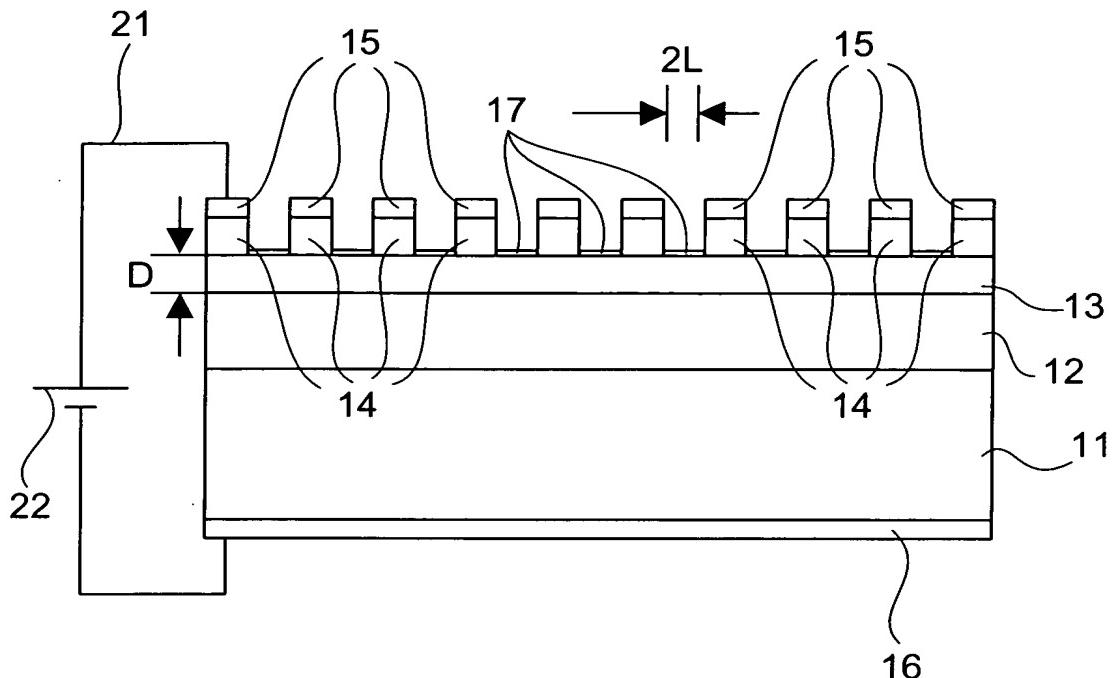
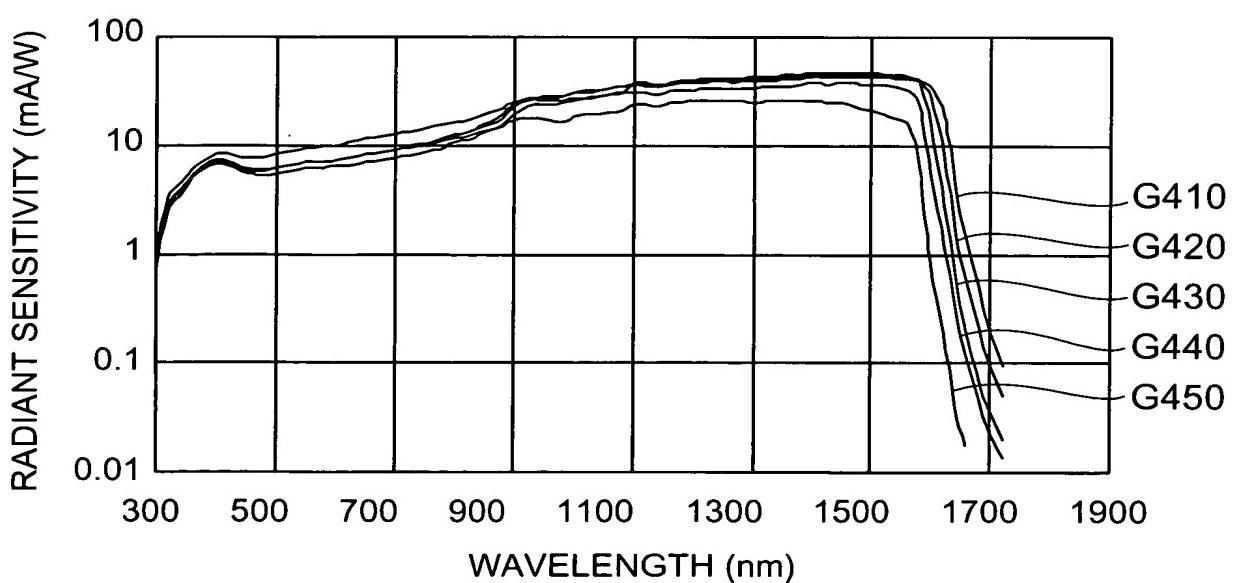
Fig.3**Fig.4**

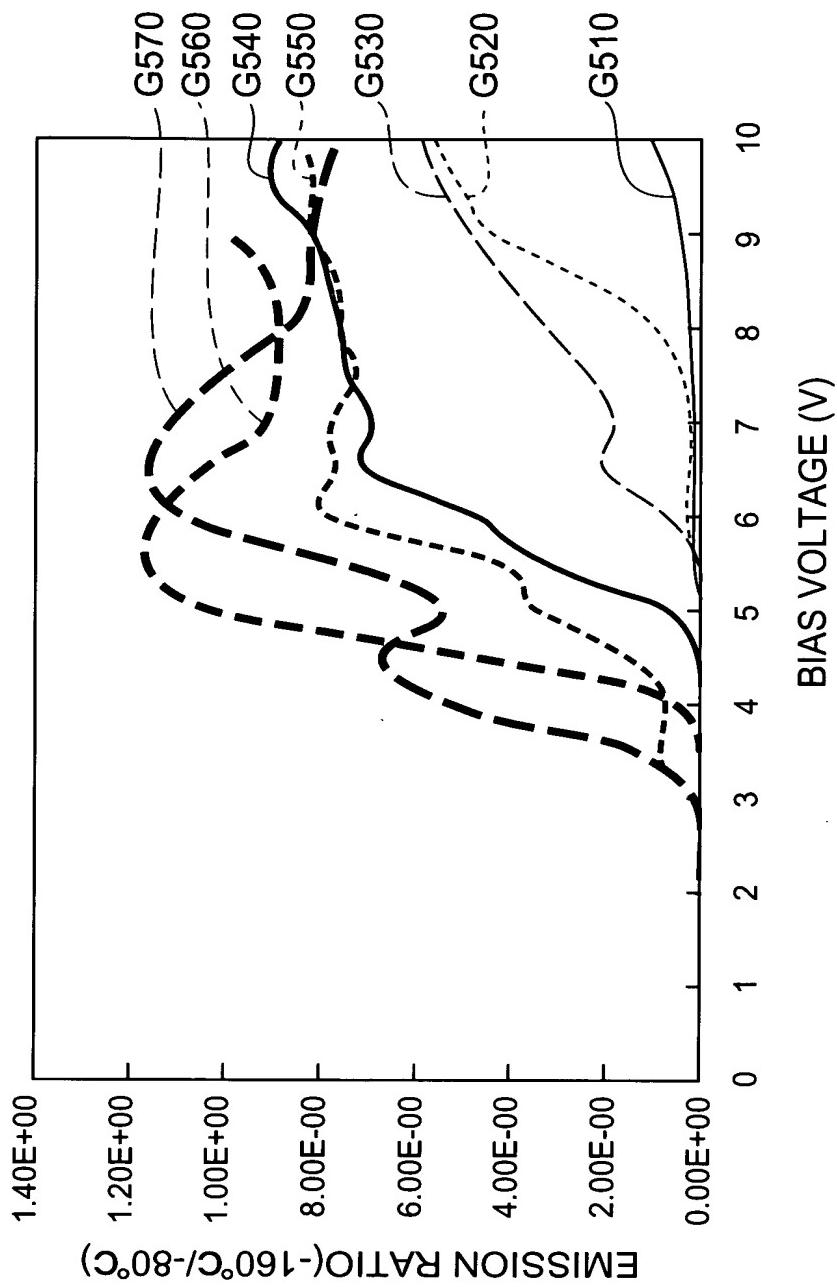
Fig.5

Fig. 6

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BIAS VOLTAGE (V)	SAMPLE1 AT SPACING OF $4\mu\text{m}$	SAMPLE2 AT SPACING OF $2.5\mu\text{m}$	SAMPLE3 AT SPACING OF $2.5\mu\text{m}$	SAMPLE4 AT SPACING OF $1.8\mu\text{m}$	SAMPLE5 AT SPACING OF $1.8\mu\text{m}$	SAMPLE6 AT SPACING OF $1.4\mu\text{m}$	SAMPLE7 AT SPACING OF $1.4\mu\text{m}$
0.5							
1							
1.5			0.00E+00				
2		0.00E+00	0.00E+00				0.00E+00
2.5		1.33E-02	0.00E+00	0.00E+00			0.00E+00
3	0.00E+00	3.11E-03	0.00E+00	1.97E-03	0.00E+00	1.19E-02	1.61E-03
3.5	2.94E-06	3.08E-04	0.00E+00	8.33E-04	8.59E-02	1.44E-01	3.14E-03
4	3.45E-06	1.62E-04	6.99E-06	6.67E-04	6.87E-02	5.28E-01	4.31E-02
4.5	2.83E-05	2.57E-04	1.69E-05	5.63E-03	1.52E-01	6.74E-01	4.40E-01
5	3.03E-04	8.83E-04	5.43E-05	7.24E-02	3.48E-01	5.45E-01	1.05E+00
5.5	1.42E-02	6.46E-03	7.20E-04	3.35E-01	4.20E-01	7.59E-01	1.17E+00
6	1.54E-02	7.13E-02	3.19E-02	4.75E-01	7.90E-01	1.10E+00	1.14E+00
6.5	1.23E-02	2.08E-01	2.46E-02	7.09E-01	7.75E-01	1.17E+00	1.05E+00
7	1.24E-02	1.87E-01	2.40E-02	6.97E-01	7.85E-01	1.11E+00	9.17E-01
7.5	1.87E-02	2.38E-01	3.60E-02	7.43E-01	7.31E-01	1.01E+00	9.00E-01
8	2.01E-02	3.26E-01	9.25E-02	7.62E-01	7.60E-01	8.78E-01	8.92E-01
8.5	2.72E-02	4.11E-01	2.30E-01	7.88E-01	7.69E-01	8.31E-01	9.08E-01
9	4.37E-02	4.89E-01	4.38E-01	8.17E-01	8.31E-01	8.31E-01	9.97E-01
9.5	6.32E-02	5.47E-01	5.09E-01	9.08E-01	8.20E-01	8.03E-01	
10	1.11E-01	5.95E-01	5.67E-01	8.93E-01	8.46E-01	7.72E-01	

Fig. 7

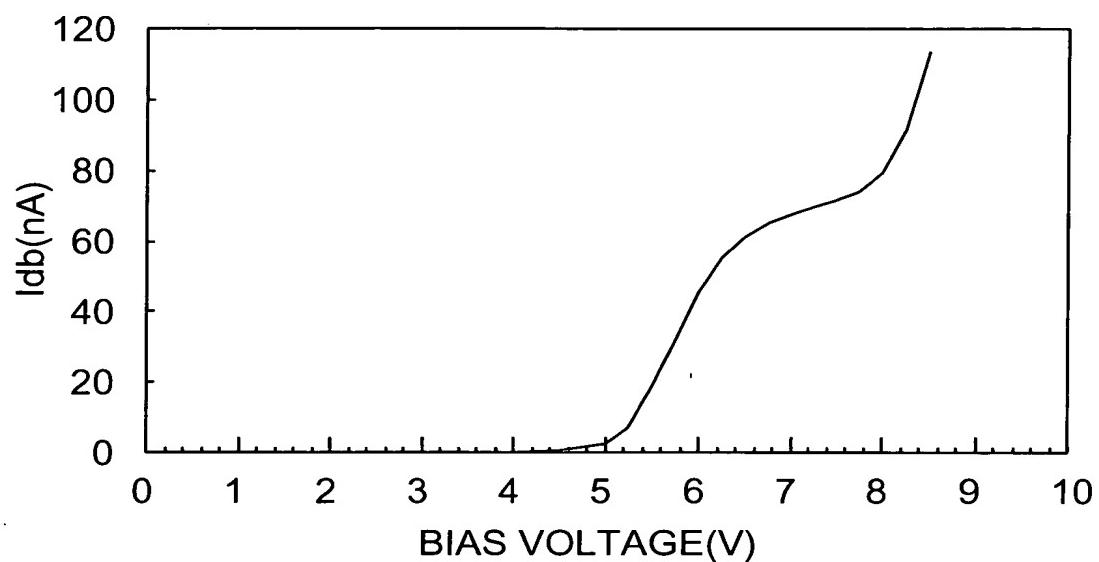


Fig. 8

ELECTRODE SPACING $2L(\mu m)$	bias (V)	bias (V)/2L	W(m)	R(m)	R/W
1.4	3.4	2.43E+00	8.06E-07	9.90E-07	1.23E+00
1.4	4.1	2.93E+00	8.64E-07	9.90E-07	1.15E+00
1.8	4.3	2.39E+00	8.80E-07	1.14E-06	1.30E+00
1.8	5.1	2.83E+00	9.41E-07	1.14E-06	1.21E+00
2.5	8.1	3.24E+00	1.14E-06	1.43E-06	1.26E+00

Fig.9